## . Invention disclosure submission

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or more inventors, use	page 4 and check	this box		·	
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Name of AVP Repor	ted to;				
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			If Core Technology, please indicate	which group.	
Technical field			If Core Technology, please indicate Please Make a Selection	which group.	
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This process	s enables a vi	rtual ethernet Lo	ocal Area Netwo	rk (LAN) to be	constructed acr	oss a Wide Are	a Network (WAN)	).
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ı <del></del>		·	TECHNIC	AL INFORMA	TION cont.	·		page 3
(c) What of	her solutions	have been tri	ed and why did	n't they work?	,			

Current WANs have provision to lease lines across the WAN to carry data. This is fine for small numbers of data connections, but as the number of users increases N, then the number of leased lines increases by the Sum of (x-1) for x=1 to N. The emerging Broadband ISDN proposes the encapsulation of Internet Protocol (IP) data over Asynchronous Transfer Mode (ATM) cells. This method requires very expensive switching in the WAN, is complex, and wastes a significant proportion of bandwidth on overheads, thus having the effect of slowing down the transmission paths. A method of routing the data at its higher layers would be possible, but

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(d) What are the specific elements or steps that solved				
In this scheme, the virtual containers used for higher rate de concatenated VC12s are used. So for example, 10Mbit/s o be mapped into 2 x VC3.	ata routes are virtuall if ethernet frames wo	y concatenated VC uld be mapped into	3s, and for acce 5 x VC12 and 1	ss rates, virtually 00Mbit/s would
On transmission, whole frames are mapped between altern the virtually concatenated VCs, the followed by ethernet frame to completed with a series of pointers at the end of the frame to	mes in a media inder	endent interface (N	VII) format. The	VCs are then
The differential delay between VCs around an SDH will nee implementation of the memory arrangement at the receiving			vill be dictated b	y the
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(e) What is the commercial value of the invention to No		-	, - ,	•
This invention addresses inter ISP data communications. It can have a fast time to market, and will address an extreme	t also covers data pro ely large market oppo	vision to SMEs. Wi ortunity.	ith small investm	ent, this invention
·		·		
Nortel 36/9609 For further instructions on disclosing your	invention, see "INVE	NTION DISCLOSU	RE SUBMISSIO	N GUIDELINES"
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